

Pottawatomie County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/27/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 23 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Pottawatomie County economy.¹

These 23 sectors have a total direct output of approximately **\$277.2 million** and support **1,288 jobs** in Pottawatomie County. Running the model for all 23 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Pottawatomie County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	1288.1	9.17%	\$92,242,256	8.38%	\$277,226,106
Indirect Effect	260.5	1.85%	\$18,789,387	1.71%	\$39,080,280
Induced Effect	195.4	1.39%	\$12,433,892	1.13%	\$23,298,575
Total Effect	1744.0	12.41%	\$123,465,535	11.22%	\$339,604,961

As shown in the above table, agriculture, food, and food processing sectors support **1,744 jobs**, or **12.41%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 23 agriculture, food, and food processing sectors is approximately **\$123.5 million**, or **11.22% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

http://www.implan.com/index.php?option=com_content&view=article&id=660%3A660&catid=253%3AKB33&Itemid=70

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **524 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Pottawatomie County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	523.8	\$59,001,203
Support activities for agriculture and forestry	196.0	\$7,537,396
Breakfast cereal manufacturing	123.1	\$97,053,643
All other crop farming	116.2	\$8,714,510
Grain farming	74.3	\$26,166,494
Wholesale trade	55.9	\$11,110,566
Truck transportation	44.4	\$5,453,788
Animal production, except cattle and poultry and eggs	43.3	\$5,042,632
Veterinary services	42.1	\$3,850,286
Landscape and horticultural services	41.7	\$1,938,453

The breakfast cereal manufacturing sector directly contributes approximately **\$97.1 million** to the Pottawatomie County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Breakfast cereal manufacturing	123.1	\$97,053,643
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	523.8	\$59,001,203
Oilseed farming	29.3	\$29,485,351
Grain farming	74.3	\$26,166,494
Wholesale trade	55.9	\$11,110,566
Meat processed from carcasses	19.8	\$9,620,805
Poultry and egg production	11.5	\$9,089,746
All other crop farming	116.2	\$8,714,510
Support activities for agriculture and forestry	196.0	\$7,537,396
Wineries	21.6	\$6,498,583

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Pottawatomie County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	29.3	\$29,485,351.56
Grain farming	74.3	\$26,166,494.37
Vegetable and melon farming	0.4	\$83,895.34
Fruit farming	1.2	\$105,434.57
Tree nut farming	0.3	\$42,984.54
Greenhouse, nursery, and floriculture production	14.7	\$2,053,122.52
All other crop farming	116.2	\$8,714,509.96
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	523.8	\$59,001,201.63
Dairy cattle and milk production	1.1	\$422,222.58
Poultry and egg production	11.5	\$9,089,745.52
Animal production, except cattle and poultry and eggs	43.3	\$5,042,631.63
Commercial logging	2.4	\$62,283.22
Commercial hunting and trapping	2.3	\$44,653.74
Support activities for agriculture and forestry	196.0	\$7,537,395.95
Other animal food manufacturing	5.1	\$6,207,761.29
Breakfast cereal manufacturing	123.1	\$97,053,642.27
Meat processed from carcasses	19.8	\$9,620,805.74
Bread and bakery product, except frozen, manufacturing	13.0	\$1,472,736.72
Frozen cakes and other pastries manufacturing	0.8	\$122,214.68
Coffee and tea manufacturing	4.0	\$2,609,694.00
Wineries	21.6	\$6,498,583.32
Veterinary services	42.1	\$3,850,285.77
Landscape and horticultural services	41.7	\$1,938,453.08

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Pottawatomie County, the retail sector was omitted.